



# OPERATOR ASSISTED DRIVE TEST REPORT

## CENTRAL DELHI

### DELHI LSA

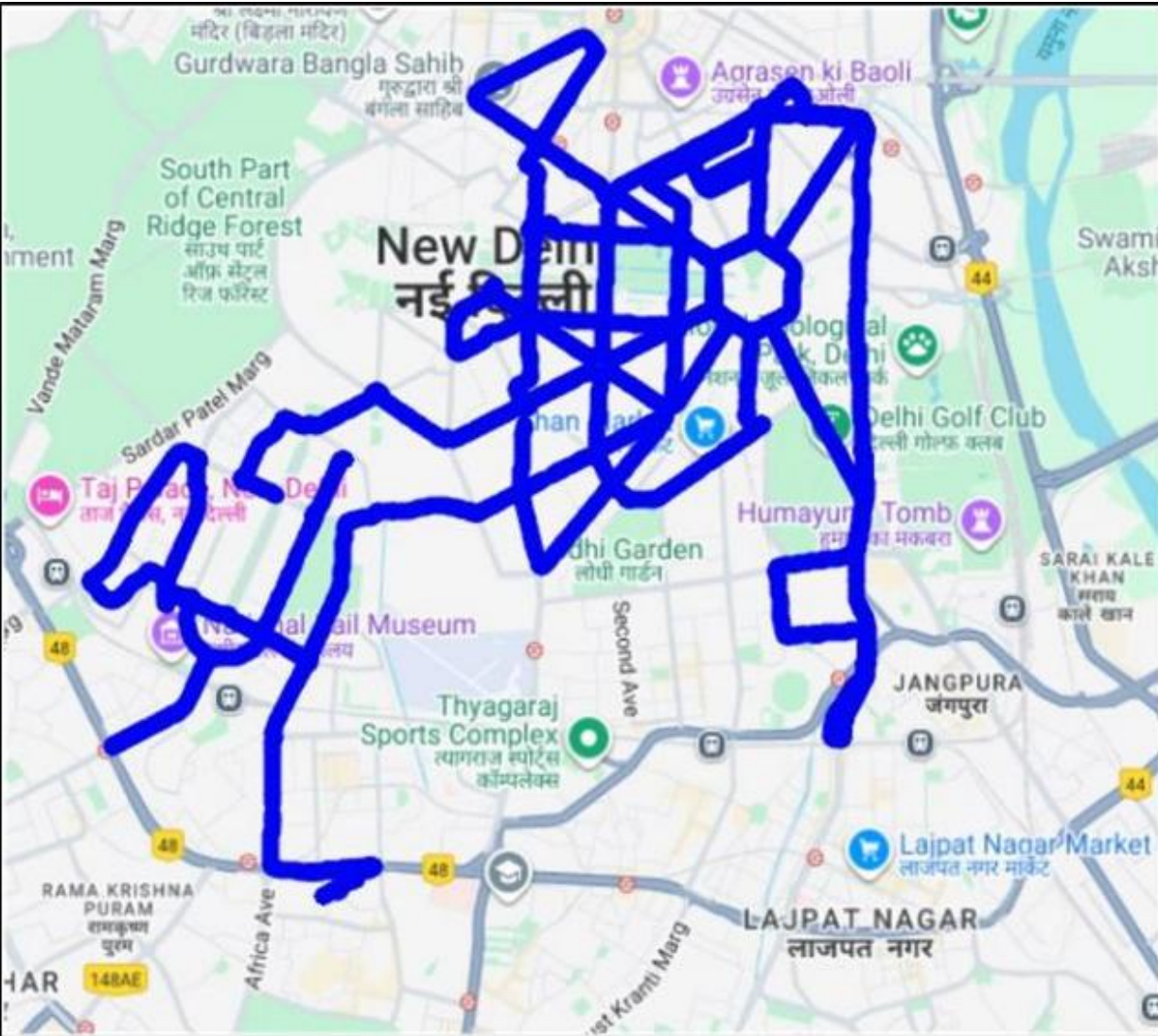
## JANUARY 2026 (REGIONAL OFFICE, DELHI)

The Operator Assisted Drive Test has been carried out by Regional Office, Delhi with the help of Telecom Service Providers in Delhi LSA covering **Central Delhi** from **13<sup>th</sup> to 15<sup>th</sup> January 2026** from 09.30 AM to 07.30 PM. The drive test covered drive route of **153 KM (approx.)** over a period of three days, covering hotspot at seven (06) locations. Networks Tested: 3 in 2G, 1 in 3G, 4 in 4G and 2 in 5G.

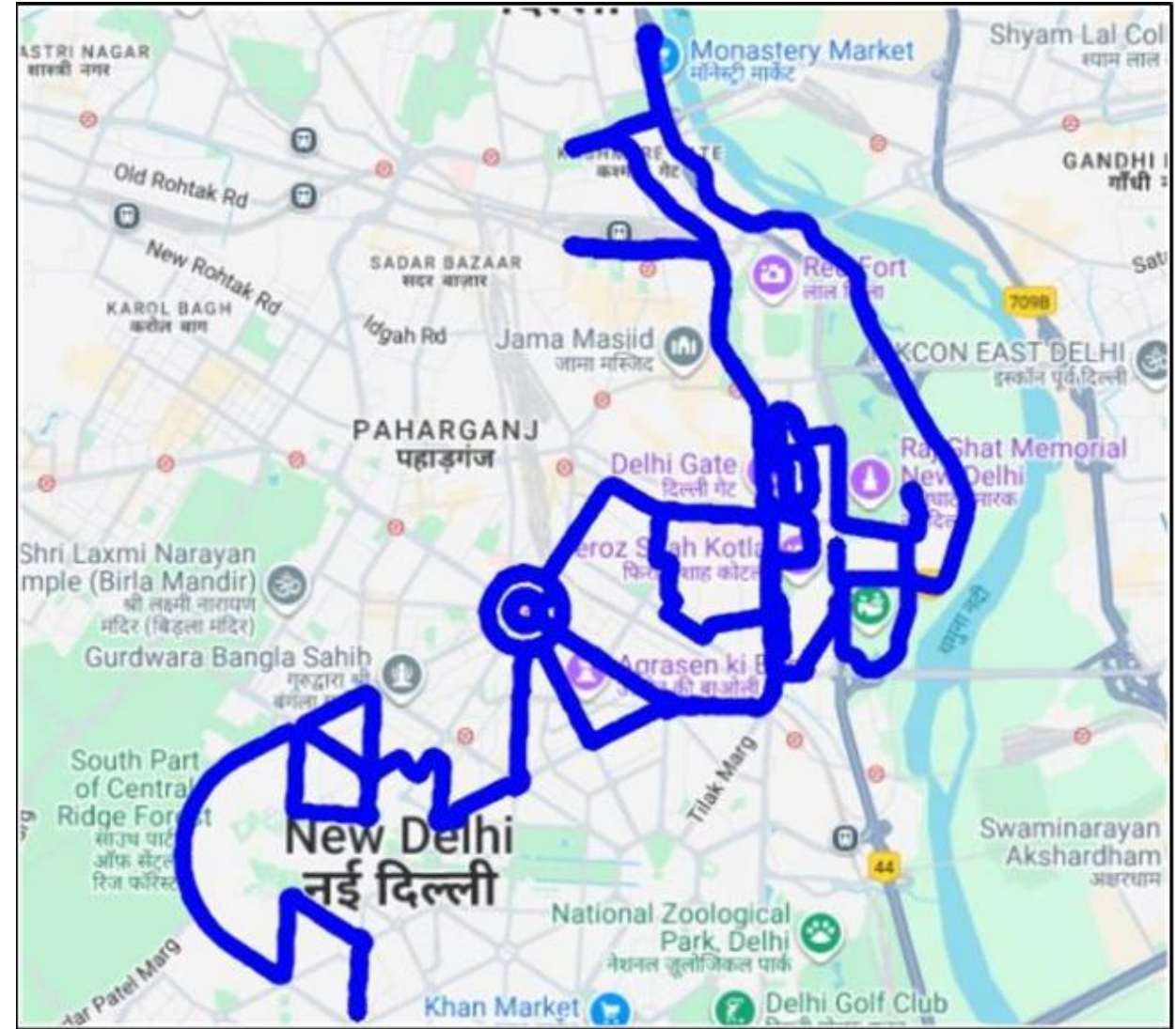
### Voice and Dynamic/Static Data Test Route – Delhi LSA

S.No	Date	Location/Area	Static Hotspot Locations
1	13-01-2026	Mandi House, India Gate, South Block, North Block Lutyens Zone and Nearby Areas	NA
2	14-01-2026	ITO Red fort Old Delhi Railway Stn. ISBT Kashmiri Gate Nearby Area	NA
3	15-01-2026	Hot-Spot	Cannaught Place (CP), Mandi House Metro Station, New delhi Railway station, ISBT kashmiri gate, Lal Quila, Modern Public school Barakhamba Road

# Drive Test Route Map (City Drive Test)

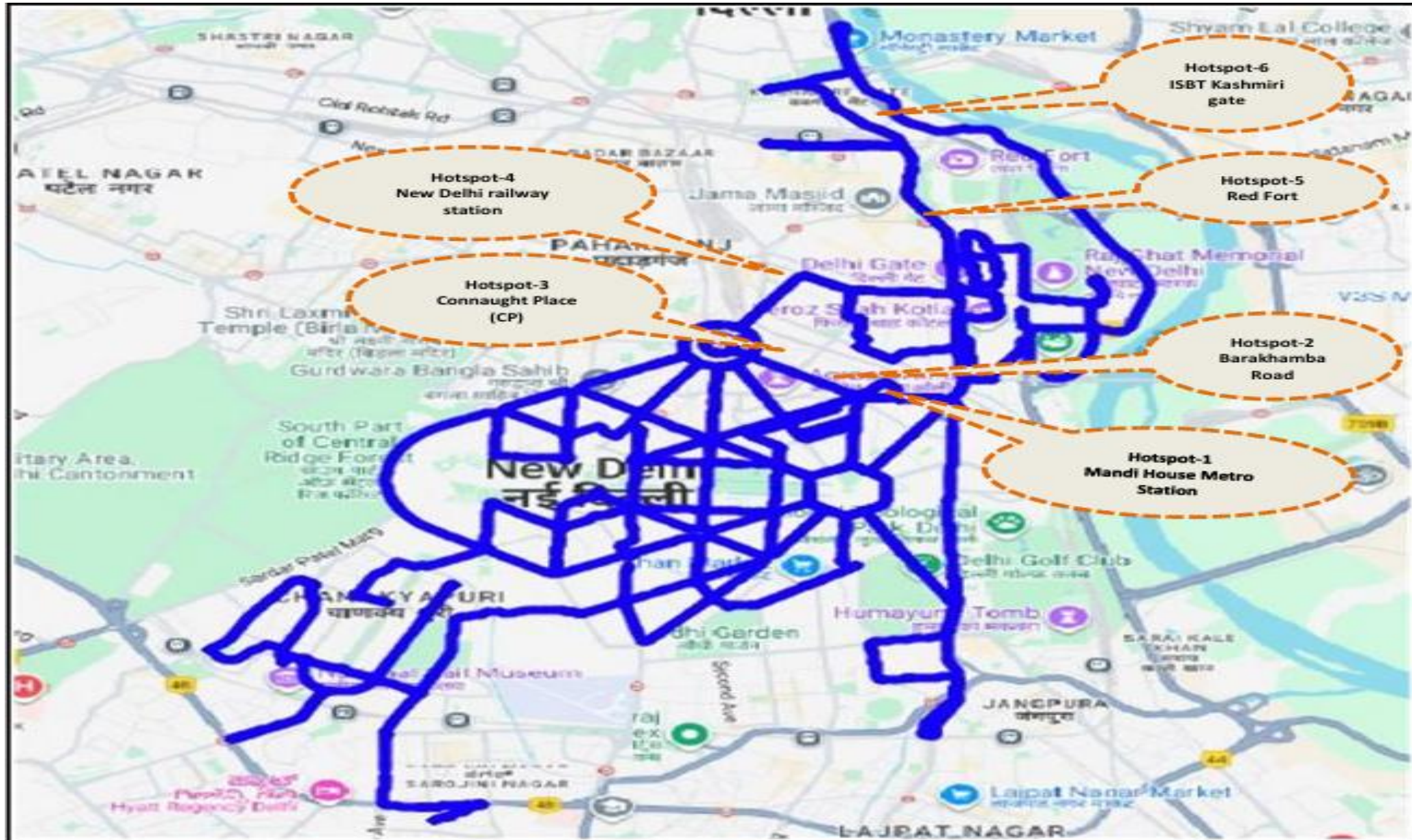


Day 1



Day 2

# Drive Test Route Map (Hot spots)



## Key observations from Drive Test (Voice)

<b>TSP</b>	<b>Network tested</b>
<b>Airtel</b>	<b>2G,4G &amp; 5G</b>
<b>MTNL</b>	<b>2G,3G</b>
<b>RJIO</b>	<b>4G &amp; 5G</b>
<b>VIL</b>	<b>2G &amp; 4G</b>

Calls were made for the **180-sec** duration on the highway route and **90-sec** duration on the city route, with a wait time of **15 sec** between calls in all technologies.

<b>KPI</b>	<b>Benchmark</b>	<b>Observations</b>
<b>Drop call rate %</b>	<b>≤2%</b>	<b>All TSPs achieved the benchmark except MTNL.</b>
<b>CSSR %</b>	<b>≥98 %</b>	<b>All TSPs achieved the benchmark except MTNL.</b>

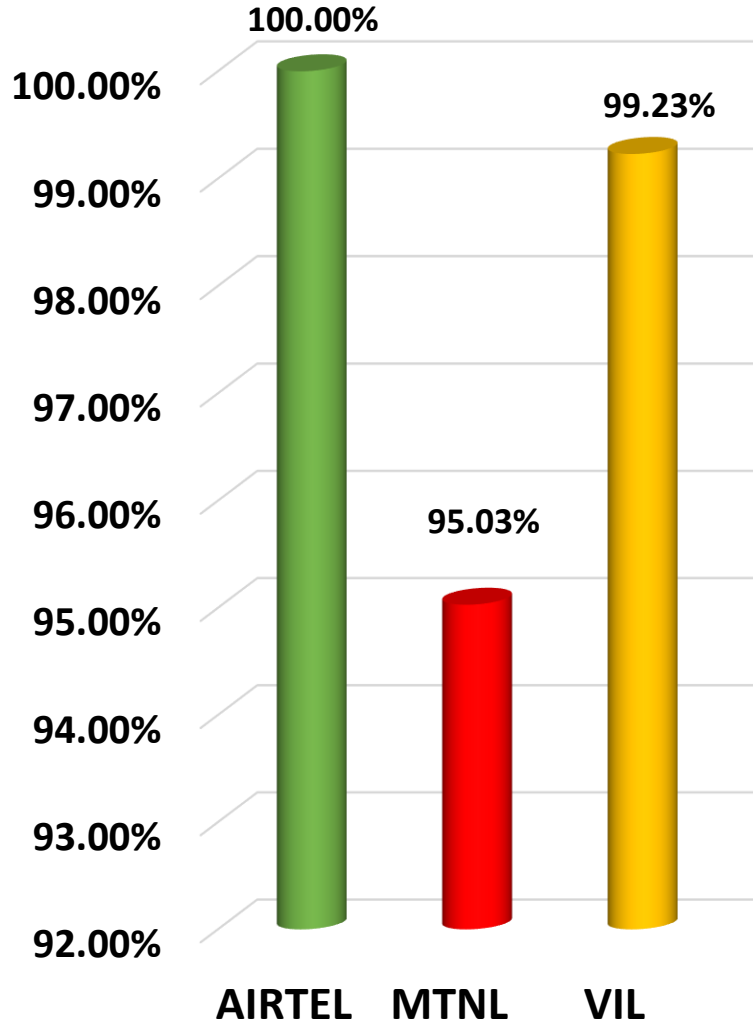
<b>Speech Quality (Average MOS)</b>	<b>VIL</b>	<b>MTNL</b>	<b>Airtel</b>	<b>RJIL</b>
	<b>4.29</b>	<b>-</b>	<b>4.05</b>	<b>3.99</b>

## Summary – Voice City Dynamic in 3G/2G (Locked Mode)

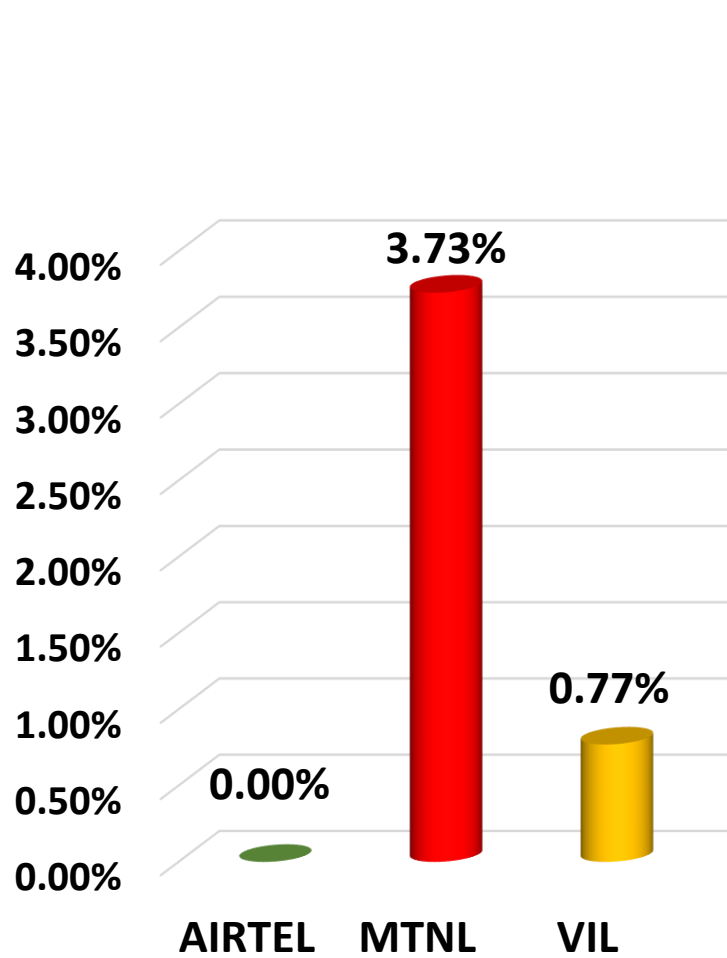
<b>Voice Call</b>	<b>AIRTEL 2G</b>	<b>MTNL 3G/2G</b>	<b>VIL 2G</b>
<b>Call Attempt</b>	<b>268</b>	<b>282</b>	<b>261</b>
<b>Call Established</b>	<b>267</b>	<b>268</b>	<b>259</b>
<b>CSSR% (Accessibility)</b>	<b>100%</b>	<b>95.03%</b>	<b>99.23%</b>
<b>Drop Call Rate (%)</b>	<b>0%</b>	<b>3.73%</b>	<b>0.77</b>
<b>Handover Success Rate (%)</b>	<b>96.08%</b>	<b>100%</b>	<b>96.87</b>

# Summary – Voice City Dynamic in 3G/2G (Locked Mode)

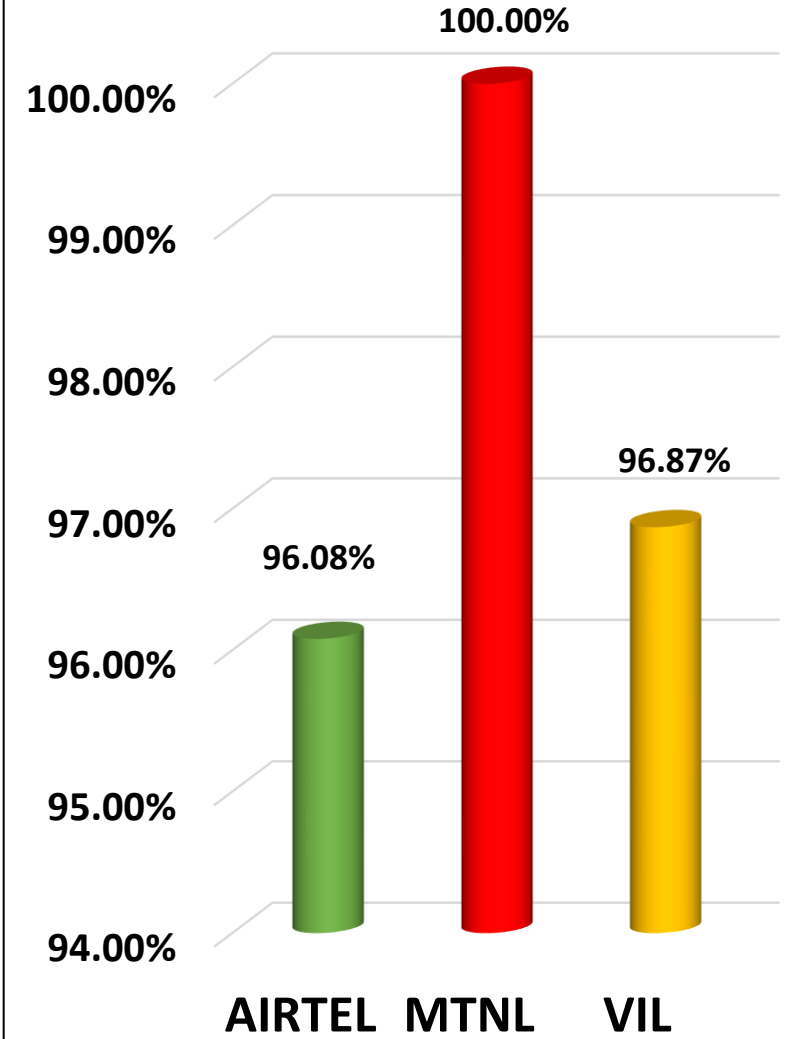
### Call Setup Success Rate



### Drop Call Rate



### Handover Success Rate

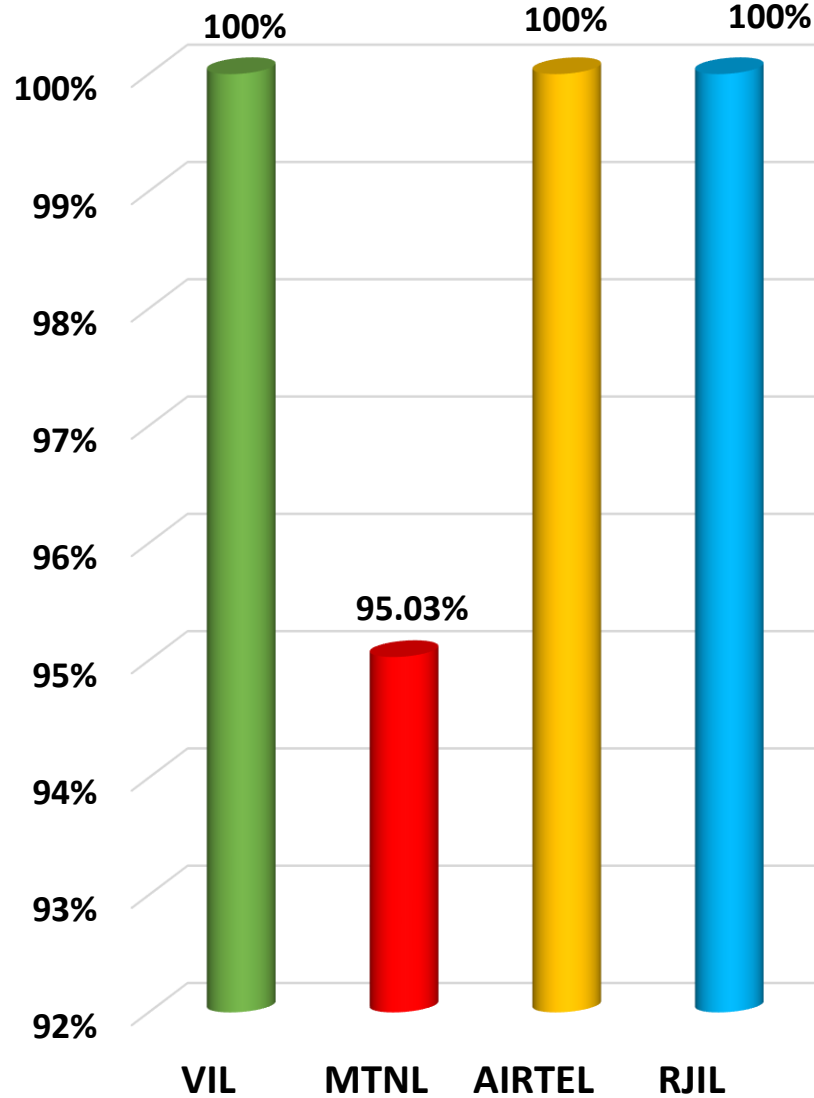


## Summary – Voice City Dynamic in 5G/4G/3G/2G (Auto Mode)

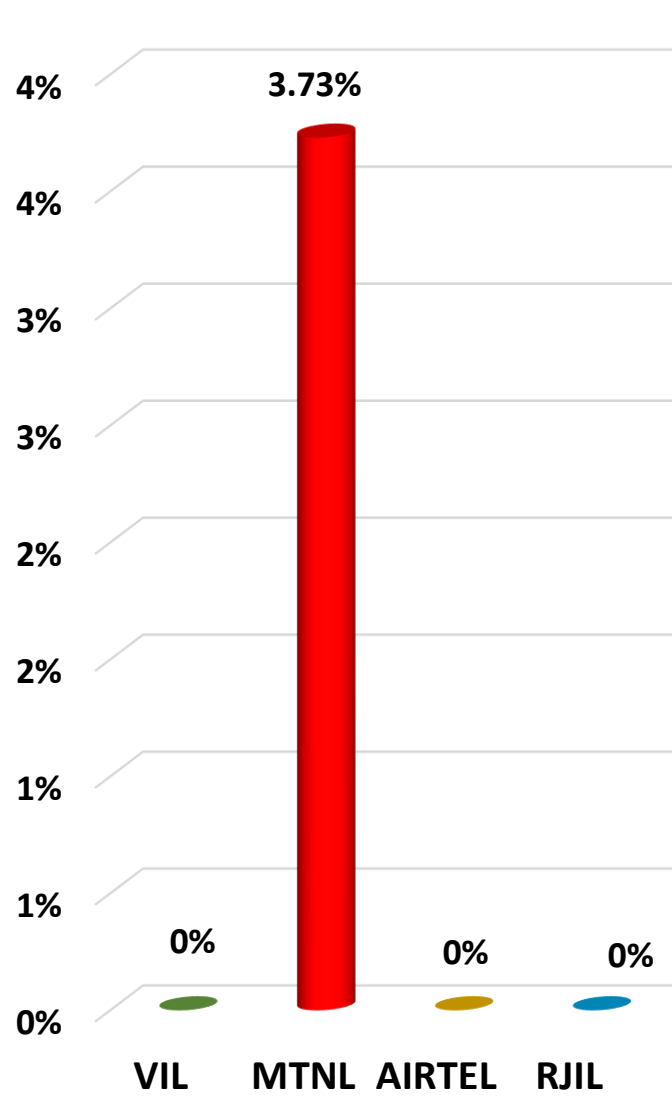
<b>Voice Call</b>	<b>VIL</b>	<b>MTNL</b>	<b>AIRTEL</b>	<b>RJIL</b>
<b>Call Attempt</b>	<b>268</b>	<b>282</b>	<b>334</b>	<b>208</b>
<b>Call Established</b>	<b>268</b>	<b>268</b>	<b>334</b>	<b>208</b>
<b>CSSR% (Accessibility)</b>	<b>100%</b>	<b>95.03%</b>	<b>100%</b>	<b>100%</b>
<b>Drop Call Rate (%)</b>	<b>0%</b>	<b>3.73</b>	<b>0%</b>	<b>0%</b>
<b>Handover Success Rate (%)</b>	<b>100%</b>	<b>100%</b>	<b>99.92%</b>	<b>99.36%</b>
<b>Silence Call Rate %</b>	<b>0%</b>	<b>--</b>	<b>0%</b>	<b>0.83%</b>
<b>Speech Quality (Average MOS)</b>	<b>4.29</b>	<b>--</b>	<b>4.05</b>	<b>3.99</b>

# Summary – Voice City Dynamic in 5G/4G/3G/2G (Auto Mode)

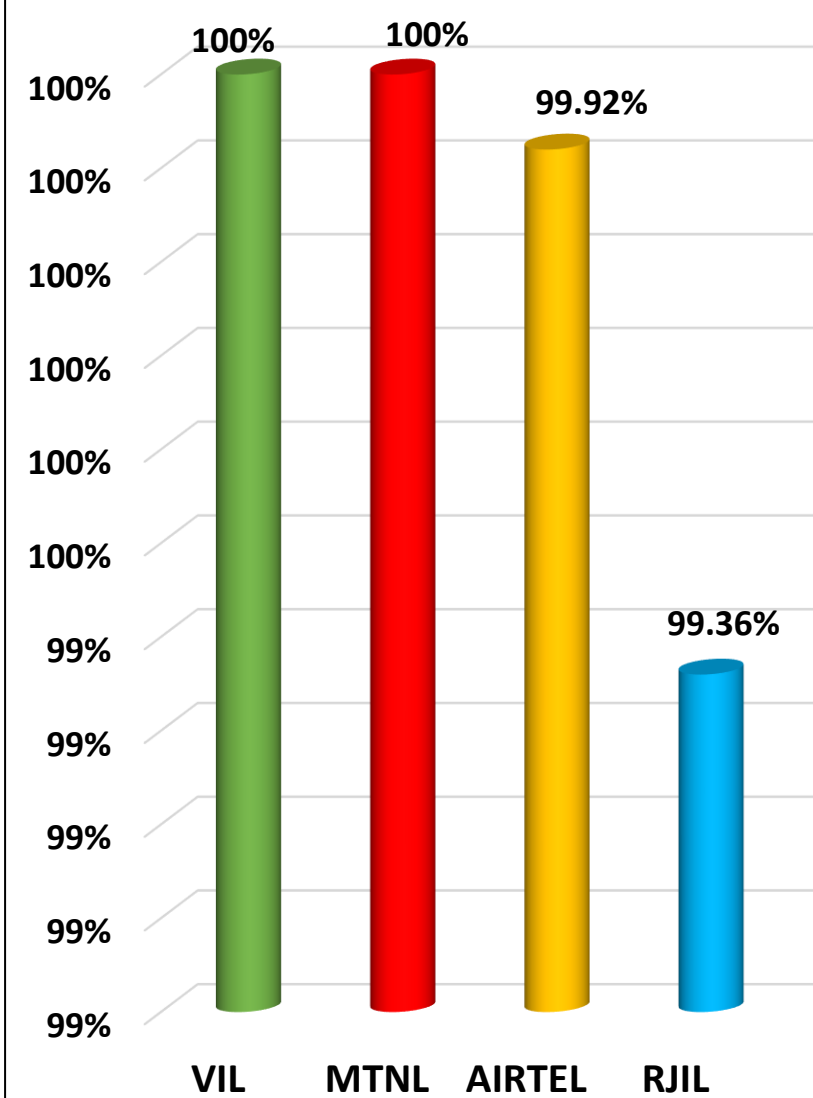
### Call Setup Success Rate



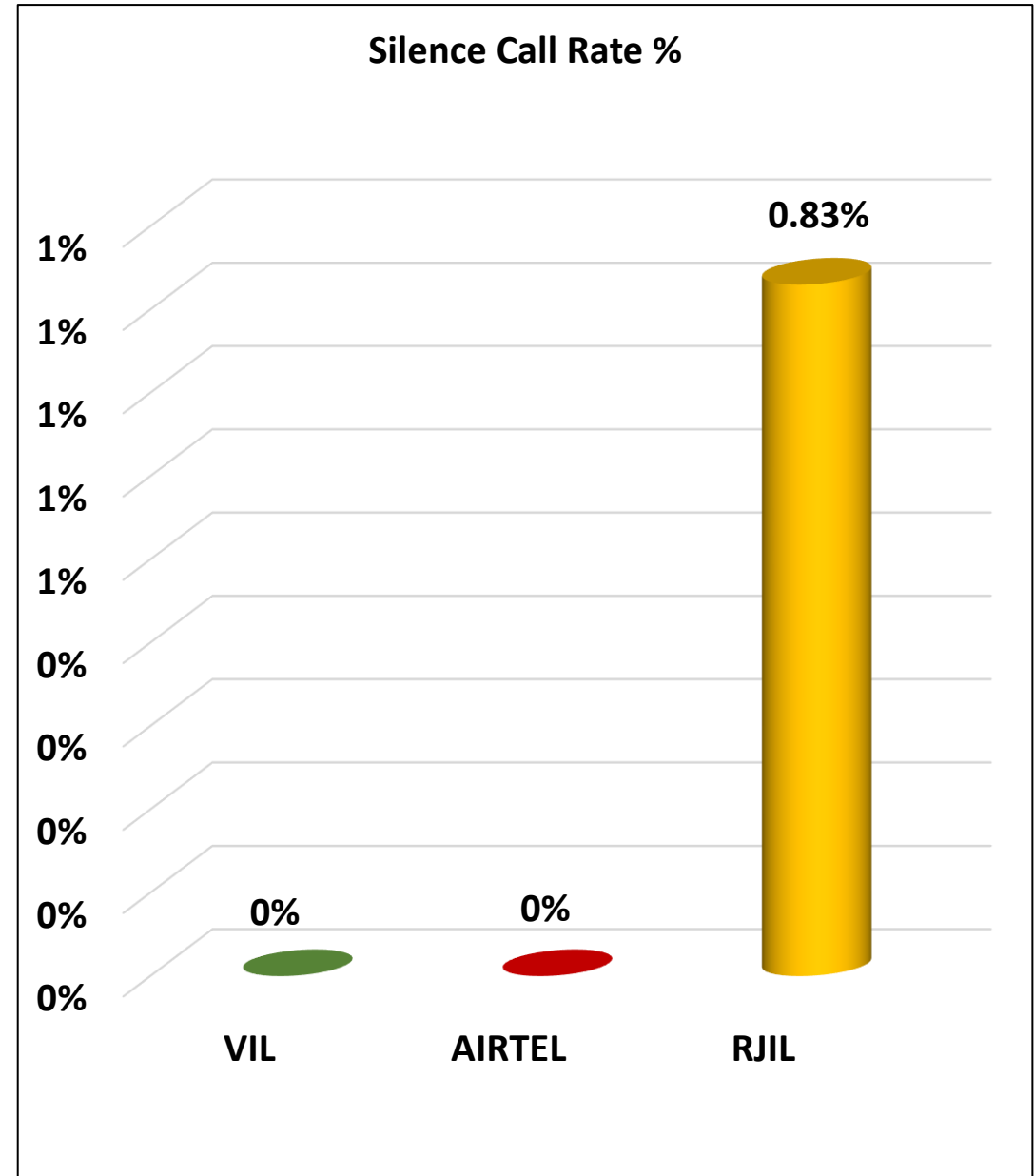
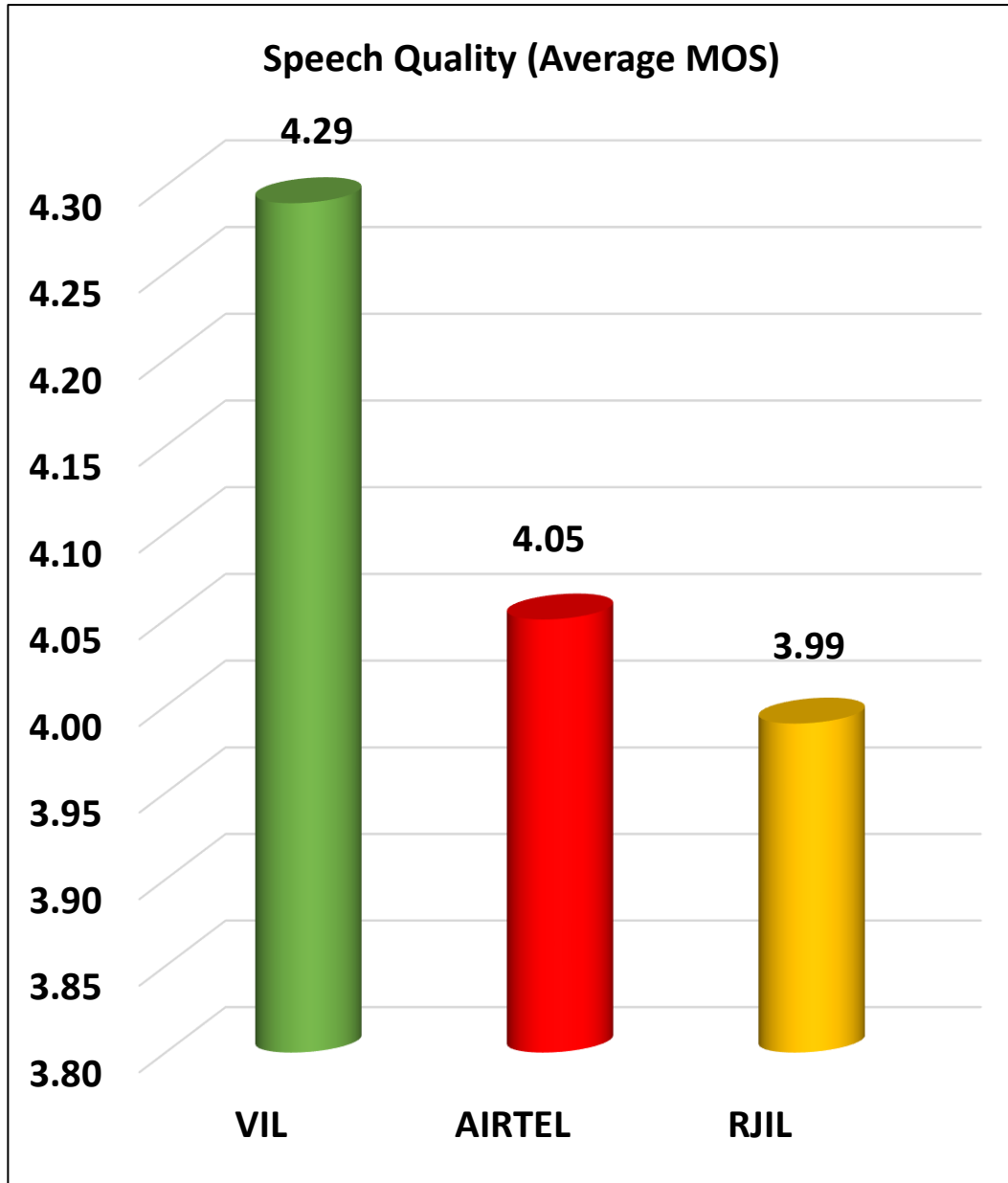
### Drop Call Rate



### Handover Success Rate

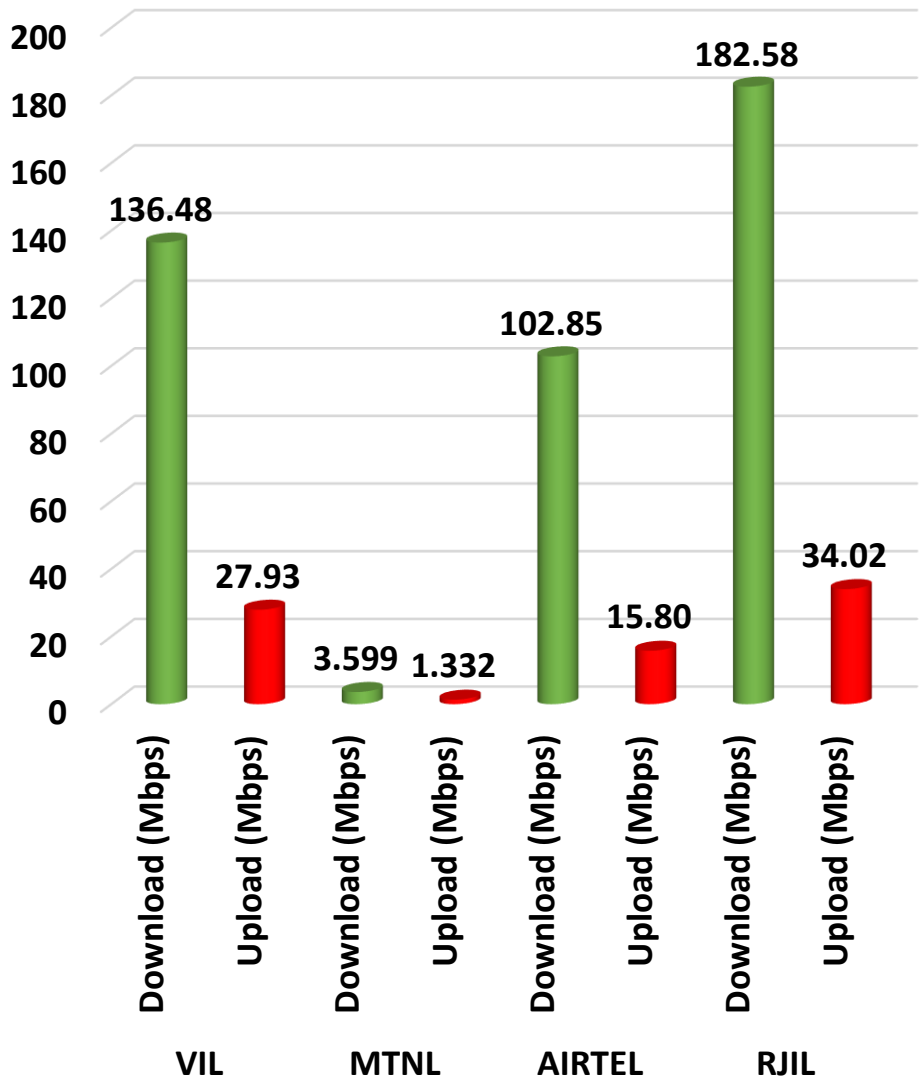


# Summary – Voice City Dynamic in 5G/4G/3G/2G (Auto Mode) (Contd..)

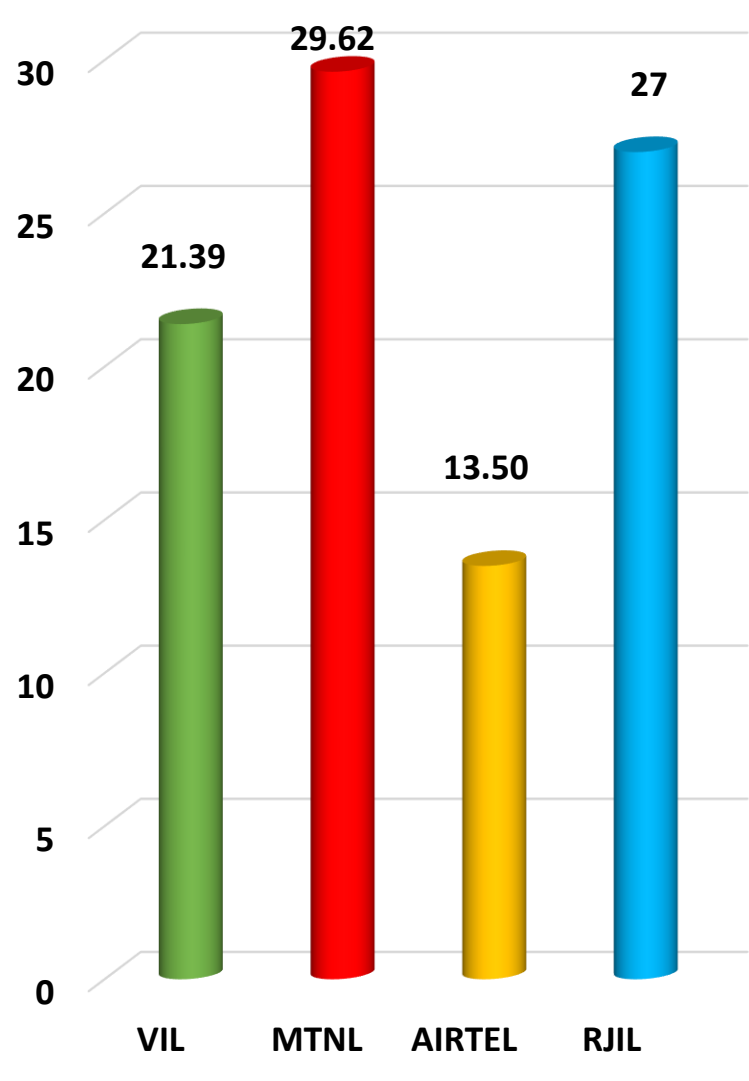


# Data Service Performance in 5G/4G/3G/2G (Auto mode) - Dynamic

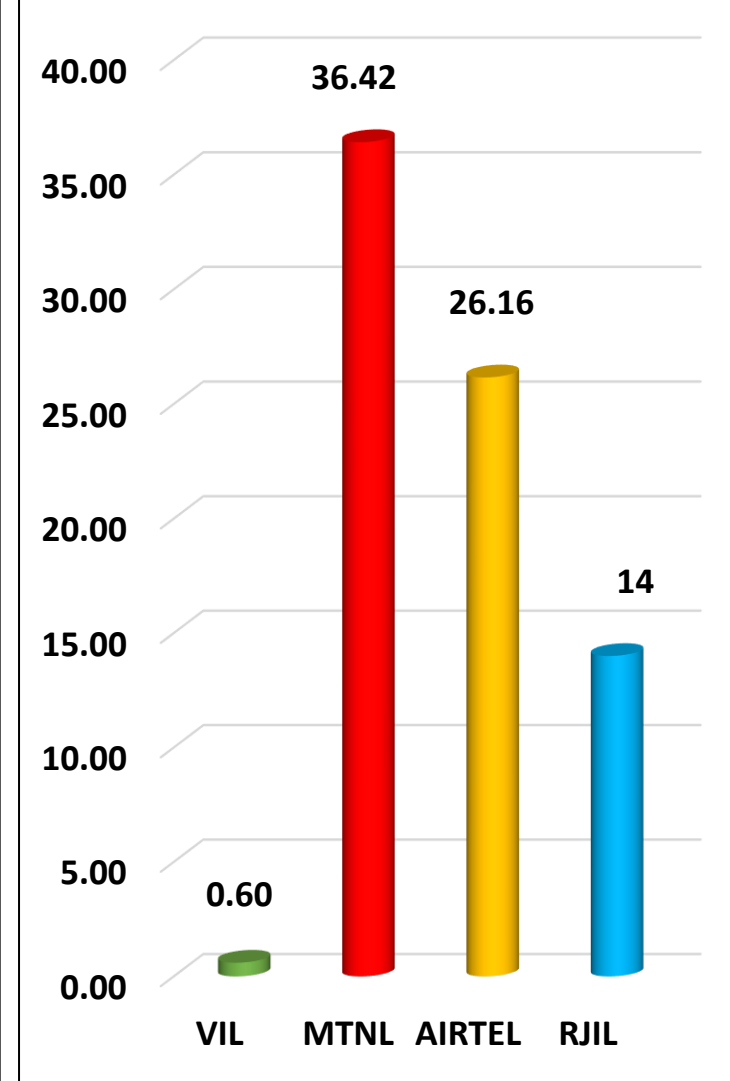
### Average Download/Upload Speed - Dynamic



### Average Latency - Dynamic



### Average Jitter - Dynamic



**Summary-Voice Service Performance (5G/ 4G/ 3G/ 2G - Auto mode) – Over all (Static-Hotspot)**

<b>Voice Call</b>	<b>AIRTEL</b>	<b>MTNL</b>	<b>RJIL</b>	<b>VIL</b>
<b>Call Attempt</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>59</b>
<b>Call Established</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>59</b>
<b>CSSR% (Accessibility)</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
<b>No. of Drop Call</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Drop Call Rate (%)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Call Setup Time Average (Sec.)</b>	<b>0.70</b>	<b>3.63</b>	<b>1.1</b>	<b>1.01</b>

**Summary-Data Service Performance (5G/ 4G/ 3G/ 2G - Auto mode) – Over all (Static-Hotspot)**

<b>Data Service</b>	<b>AIRTEL</b>	<b>MTNL</b>	<b>RJIL</b>	<b>VIL</b>
<b>Average Download speed (Mbps)</b>	<b>97.76</b>	<b>5.070</b>	<b>471.620</b>	<b>195.180</b>
<b>Average Upload speed (Mbps)</b>	<b>36.91</b>	<b>1.397</b>	<b>63.46</b>	<b>33.2</b>
<b>Latency 50<sup>th</sup> percentile (ms)</b>	<b>9.5</b>	<b>28.79</b>	<b>11.08</b>	<b>21.56</b>
<b>Average Jitter (ms)</b>	<b>6.48</b>	<b>65.15</b>	<b>6.67</b>	<b>0.78</b>
<b>Packet Drop Rate (%)</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>10%</b>
<b>Web browsing delay (sec)</b>	<b>6.65</b>	<b>3.73</b>	<b>3.78</b>	<b>1.81</b>
<b>Video Streaming performance for video (sec)</b>	<b>2.72</b>	<b>3.02</b>	<b>1.93</b>	<b>0.92</b>

## Data Summary at Hotspot Locations: Download and Upload Speed(in Mbps)

S.No.	Hotspot Locations	AIRTEL		RJIL		VIL		MTNL	
		Download	Upload	Download	Upload	Download	Upload	Download	Upload
1.	Mandi House Metro Station	92.72	27.50	570.92	82.30	174.16	19.77	3.221	1.406
2.	Modern School Barakhamba Road	150.32	46.25	479	71.34	263.09	51.46	7.398	2.182
3.	Cannaught Place	50.70	15.58	612.04	71.46	244.63	18.05	4.390	0.543
4.	New Delhi Railway Station	121.34	79.36	124.11	34.03	214.18	49.21	6.490	1.494
5.	Lal Quila	116.47	52.28	533.63	59.39	209.95	54.04	6.154	1.026
6.	ISBT Kashmiri Gate	84.50	47.15	510.04	62.22	76.41	9.77	5.179	1.412

# Coverage – Voice Calls

- Percentage of coverage samples for 2G  $\geq$  -85 dBm

TSPs	2G	
	Airtel	VIL
Coverage %	87%	96.29%

- Percentage of coverage samples for 3G  $\geq$  - 90 dBm

TSPs	3G
	MTNL
Coverage %	35.72%

# Coverage – Voice Calls (Contd..)

- Percentage of coverage samples for 4G  $\geq$  -110 dBm

TSPs	4G		
	Airtel	RJIL	VIL
Coverage %	98.27%	98.26%	99.85%

- Percentage of coverage samples for 5G  $\geq$  -110 dBm

TSPs	5G	
	Airtel	RJIL
Coverage %	97.01%	99.82%

**THANK YOU**